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Ema

Title: CN1055185A: WATER-ABSORPTION MATERIAL PRODUCED BY GR
MODIFICATION WITH CELLULOSE INITIATED BY POTASSIUM
PERMANGANATE

Derwent Title: Water-absorption material for agriculture and forestry - is prepd. by grafting
microcrystalline cellulose initiated by potassium permanganate in acidic
medium NoAbstract [Derwent Record]

Country: CN China
Kind: A Unexamined APPLIC. open to Public inspection i

Inventor: YANG SHUYING; China
ZHANG ZHENYA; China

Assignee: GUANGZHOU CHEMICAL RESEARCH INST., CHINESE ACADEMY OF
SCIENCES China
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Published / Filed: 1991-10-09 / 1990-03-24

Application Number: CN19909090101692

IPC Code: Advanced: C08F 251/02; D06M 14/04;
Core: C08F 251/00; D06M 14/00;
IPC-7: C08F 251/02;

ECLA Code: None

Priority Number: 1990-03-24 CN19909090101692

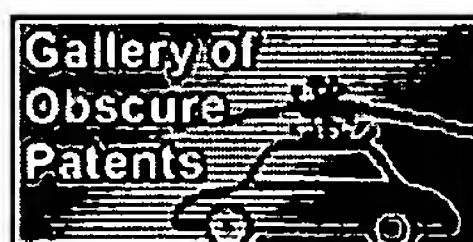
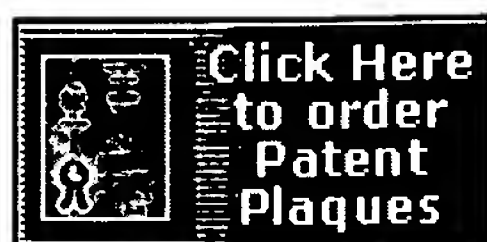
Abstract: The water-absorbent material prepared by graft reaction of
cellulose with olefine monomers such as acrylonitrile, mostly adopts
cerium salt as initiator. Although the grafting efficiency is high, but it
is expensive. This invention provides a method in which potassium
permanganate is used in acidic medium to replace cerium salt as
initiator so that a fibrous water-absorbent material can be obtained
by graft reaction of cotton fibre or artificial fibre, and a powdery
water-absorbent material is obtained by grafting of microcrystalline
cellulose. The water-absorbent material provided by this invention
can quickly absorb non-ionic water by over 20-200 fold, and after
water abosrption it has a high gelatinating strength, not liable to
break, and a strong water-retaining capacity. It is suitable for water-
retaining agent in agriculture and forestry, as well as for sanitary
material.

Family:

Buy PDF	Publication	Pub. Date	Filed	Title
				WATER-ABSORPTION MATERIAL PROD

<input checked="" type="checkbox"/>	CN1055185A	1991-10-09	1990-03-24	GRAFT MODIFICATION WITH CELLULOSE INITIATED BY POTASSIUM PERMANGANATE
1 family members shown above				

Other Abstract Info: None



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